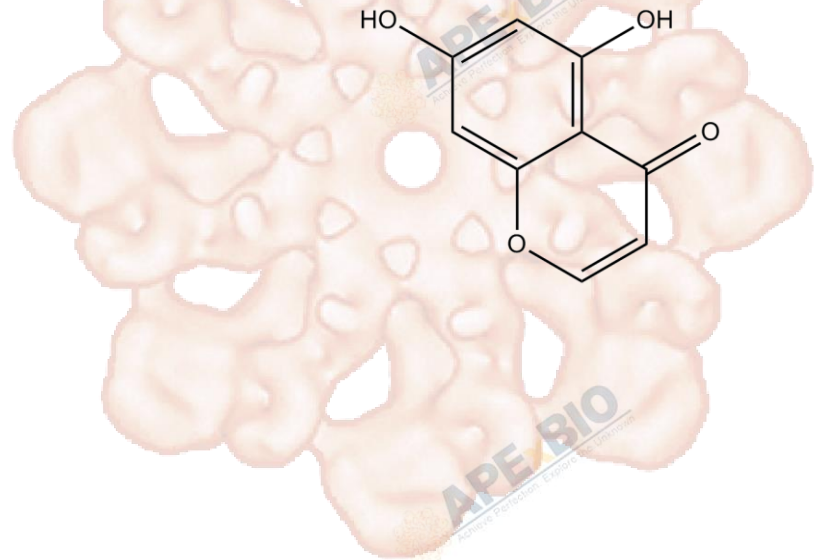


# Product Data Sheet

## 5,7-dihydroxychromone

<b>Cat. No.:</b>	N2172
<b>CAS No.:</b>	31721-94-5
<b>Formula:</b>	C9H6O4
<b>M.Wt:</b>	178.14
<b>Synonyms:</b>	
<b>Target:</b>	Apoptosis
<b>Pathway:</b>	KEAP1-Nrf2
<b>Storage:</b>	Store at -20°C



### Solvent & Solubility

insoluble in H<sub>2</sub>O; ≥5.41 mg/mL in EtOH with gentle warming; ≥7.05 mg/mL in DMSO

In Vitro

Preparing Stock Solutions	Solvent	Mass		
		1mg	5mg	10mg
	<b>Concentration</b>			
	<b>1 mM</b>	5.6136 mL	28.0678 mL	56.1356 mL
	<b>5 mM</b>	1.1227 mL	5.6136 mL	11.2271 mL
	<b>10 mM</b>	0.5614 mL	2.8068 mL	5.6136 mL

Please refer to the solubility information to select the appropriate solvent.

### Biological Activity

Shortsummary Nrf2/ARE signal activator and PPAR $\gamma$  agonist

IC<sub>50</sub> & Target

In Vitro

#### Cell Viability Assay

Preparation method:

In Vivo

#### Animal experiment

Applications:

### Product Citations

1. Rabago Smith M, Kindl ED, et al. "5,7,3',4'-Hydroxy substituted flavonoids reduce the heme of cytochrome c with a range of rate constants." Biochimie. 2019 Jul;162:167-175.PMID:31034919

See more customer validations on [www.apexbt.com](http://www.apexbt.com).

## References

## Caution

**FOR RESEARCH PURPOSES ONLY.**

**NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.**

Specific storage and handling information for each product is indicated on the product datasheet. Most APEX BIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.

**APEX BIO Technology**

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